

ABSTRACT

WIRELESS DATA COMMUNICATION DEVICE AND
COMMUNICATION SYSTEM INCLUDING SUCH A DEVICE

The wireless data communication device (1) is mounted in a portable object, such as a wristwatch. The device includes an oscillator circuit (6), which produces high frequency signals (S_H), and a signal processing unit (7), connected to the oscillator circuit. The connection structure of one part of the oscillator circuit (14, 15),
5 which produces the high frequency signals, is arranged to act as antenna for the transmission of data by means of stray signals (S_P) transmitted by the connection structure. The processing unit provides a control signal (C_C) to the oscillator circuit depending upon the data to be transmitted by means of the stray signals by the connection structure. An amplitude modulation or a frequency modulation can be used
10 for the transmission of data by means of the stray signals.